

a base station apparatus that transmits a downlink signal containing a tap coefficient obtained in association with an uplink signal; and

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a communication terminal apparatus that transmits said uplink signal to said base station, receives said downlink signal from said base station, performs equalizing on data contained in the downlink signal while updating tap coefficients using, as an initial value, the tap coefficient transmitted in said downlink signal from the base station apparatus.

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6. A communication terminal apparatus for use in a radio communication system according to claim 5, the communication terminal apparatus comprising:

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a receiver that receives the downlink signal containing the tap coefficient obtained in the base station apparatus in association with the uplink signal; and

an equalizer that performs said equalizing on data contained in the downlink signal received in the receiver, according to an adaptive algorithm for updating tap coefficients using, as said initial value, the tap coefficient received in said downlink signal.

7. A base station apparatus for use in a radio communication system according to claim 5, the base station apparatus comprising:

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a calculator that obtains said tap coefficient for use as an initial value of an adaptive algorithm employed in the communication terminal apparatus, in association with the uplink signal, and

a transmitter that transmits the downlink signal containing the tap coefficient obtained by the calculator to the communication terminal apparatus.

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8. An equalizing method comprising operating a communication terminal apparatus to receive a downlink signal containing a tap coefficient from a base station apparatus and to start an equalizing operation on received data in said downlink signal after receiving said tap coefficient contained in said downlink signal from said base station apparatus, and operating the base station apparatus to obtain said tap coefficient in association with an uplink signal transmitted from the communication terminal apparatus.

49. The equalizing method according to claim 3, wherein the method is used in radio communications performing communications using a same frequency on uplink and on downlink.

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cont 5~~10~~³. The equalizing method according to claim ~~8~~³, wherein the method is used in radio communications performing communications using a same frequency on uplink and on downlink, and wherein the communications are asymmetrical on uplink and on downlink.--
